

Abstract

The invention relates to hollow bodies, whose internal surface is coated, to a coating method and to devices for carrying out said coating method to specifically adapt
5 the physical characteristics, e.g. electrical conductivity, diffusion behavior or the chemical stability of hollow bodies, such as for example plastic tubes or flexible hoses, by coating their internal surface using a gas plasma to a thickness of between 5 and 1000 nm. The coatings are applied individually or as a sandwich and act bi-directionally. For example said coatings protect a medium in the interior of the hollow body from
10 contamination by the surrounding area and by the material of the wall of the hollow body itself, or protect the surrounding area from the medium with an efficiency that has not previously been achieved, for said coatings prevent the medium from escaping through the wall of the hollow body.